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Maximum DR seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
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                                                                                                                                                                    SpikeMis_16;*

1: Sp_archea;*

2: Sp_barteria;

3: Sp_tanteria;

4: Sp_tanteria;

5: Sp_tanteria;

5: Sp_tanteria;

6: Sp_tanteria;

7: Sp_archea;*

10: Sp_tanteria;

11: Sp_tanteria;

11: Sp_tanteria;

12: Sp_tanteria;

13: Sp_tanteria;

14: Sp_tanteria;

15: Sp_tanteria;

16: Sp_tanteria;

16: Sp_tanteria;

17: Sp_tanteria;

18: Sp_
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Gapop 10.0 , Gapext 0.5
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sp_bacteriar*
sp_tundir*
sp_foundir:
sp_foundir:
sp_foundir:
sp_menumal:*
sp_menumal:*
sp_mer:*
sp_rodent:*
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sp_undent:*
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sp_vertebrate:*
sp_virus:*
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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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25.4	26.1	26.4	26.7	25.7	27.1	27.1	27.2	27.5	27.19	12.5	28.4	BB. 8	62.7	6.3.3	80.5	95.6	96.1	100.0	Match
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Query Match Best Local Similarity 100.0%; Score 1118; 188-4; Locath 211; Matches 211; Ponservative 0; Mismatches 0; Indels 0;

Indels 0; Caps

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163.5	165	168	169.5	169.5	170.5	171.5	176.5	176.5	187	193.5	202.5	204.5	213	213	214.5	138.5	1363	263	266	272.5	278	274	279	279	288
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Best Local Similarity
FGF20.
                 01-MAR-2001 (TrEMBLrel, 16, Greated)
01-MAR-2001 (TrEMBLrel, 16, Last Sequence update)
01-MAR-2001 (TrEMBLrel, 16, Last annotation update)
FIBRORLASI GROWTH FACTOR 20.
                                                                                                             6 1S360
                                                                                              Q9ESL'9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "FOF-20, a novel neurotrophic factor, preferentially expressed in the substantia higher scompacts of rat brain."; Biochem. Biophys. Fee. Commun. 277:355-360(2000).
EMBL: ABUZG021; BAB13763.1; -. SEQUENCE 212 AA: 23537 BW, 47856BEFE772B977 CRC54;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q9EST9;
01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBL.cl. 16, Last Sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ohmachi S., Watanabe Y., Hikami T., Kusu W., Ibi i., Akuike A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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- HELLIH HILLIH HILLIH
121 MOJEGELYGSEK 1885CH EKKYEPEBAVYATYGGRIYKEGITGKAYL VALIKKIGTERDGAR 180
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                                                                                                           PRELIMINARY;
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95.3%;

    Mismatches

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                      Query Match
Rest Local Similarity
     Matches 170;
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                                                                                           SMART; SM00442; FGF; 1. SEQUENCE 208 AA; 234
                                                                                                                                                                                                                                                      Xon-pus laevis.";
Riochem. Biophys. Res. Commun. 261:756-765(1999).
EMRL: AB012615; BAA83474.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ©9PVY1;
01-NAY-2000 (TrEMBLrel. 13, Created)
01-NAY-2000 (TrEMBLrel. 14 last sequence update)
01-NAR-2001 (TrEMBLrel. 16, Last annotation update)
                                                                                                                            PROSITE; PS00247; HBGF_FGF; 1.
                                                                                                                                               PRINTS; PR00263; HBGFFGF. PRINTS; PR00262; ILTHBGF.
                                                                                                                                                                                     Pfam; PF00167; FGF; |
                                                                                                                                                                                                  InterPro: IPPNA2209; -.
InterPro: IPPNA2348; -.
                                                                                                                                                                                                                                        HSSP; P05230; 2AFG.
                                                                                                                                                                                                                                                                                                                       Koga C., Adati N., Nakata K., Mikoshiba K., Furuhata Y., Sato S.,
Teli H. Sakaki Y. Kurokawa T., Shiokawa K., Yiloyama K.K.;
                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. MEDITINE-99373151; PubMed 10441498;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota: Metažoa: Chordi+j: Cran<sup>†</sup>ali; Vertebrali; Euteleostomi;
Ampilbia; Batrachia; Anura; Mesobatrachia; Pipoldea; Pipidae;
                                                                                                                                                                                                                                                                                                  "Characterization of a novel member of the FGF family, XFCF-20, in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Xencpus laevis (African clawed frog).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AAd60
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Xencpodinae;
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Submitted (SPF-2000) to the EMBL, Submitted Jatabases
EMBL, AB049218: BAB16406.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FURATYOTA: Mctazoa; Chordata; Craniata, Vartabrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
NCFI_TaxID-10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121 MNDYCELYGSEKLTSECIFREQFEERWYNTYSSNITKUGNIGKKYFVALMKDGTPRDGAR 180
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Similarity 94.8%; Pred. No. 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Xenopus.
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                   80.9%; Score 904.5; DE 13; Length 208; 80.6%; Pred. No. 4.6e-78;
                                                                                       23438 MW: 2688810368757545 FRC64,
 19; Mismatches
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1 MAPLAEVGGFIGGLEGEGQVGSHFILPPAGERPPLLGERRSAAERSARGGPGAAQLAHL 60

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QVESI.8
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                                                                                                                                                          Oberty Match

63.4%; Score 207.5; DB-11; Length 207;

Best Local Similarity 63.2%; Pred. No. 2.20-59;

Matches 134; Conservative 27; Mismatches 40; Indels 11; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ON MAK-
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Enkargota: Metazoa: Chordata: Craniata: Vertebrata: Enteleostomi:
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Submitted (AUG-2000) to the EMBL/Abugenk/PDBH databases
EMBL AF292104: AAC29501.1: -.
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of MAR-2001 (TrEMBLEEL 15, Last annotation update)
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NCBI_FaxID 10090;
                                                                                                                                                                                                        Mus musculus (Mouse).
Enkaryota: Metazoa: Chaidata: Craniata: Vertebrata: Enteleostomi:
                                                                                                                                                                                                                                                                                                                                                                                                                                               FIBROSLAST GROWTH FACTOR 16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 28.89; Secre (22) DB II: Length 162: Rost Longl Similarity 48.38; Pred. No. 5.70-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Mus musculus mkNA for FGF-16 (FGF-16).": Submitted (SEP-2900) to the EMPL/Centank/DDBJ databases. EMBL: AB049219; BAB16405.1: -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE 207 AA: 23751 MW; 68BD03EBDAA1D84E CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OH-MAR-2001 (TERMBLECT, 16, Created)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Schmitted (JAH 200) to the PMRL/Schlerk/New databases.
EMBL; AB036765; HAB16407.1; ".
SEQUENCE 162 AA; 18927 KN; 225KF512F4E1PF24 CRO64;
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Mammalla; Entheria; Rodentia; Seinrognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAR-2001 (TrEMBLiel. 16, Last annotation update)
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1:1111+1111+111111::1 ::1 :|1 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "mouse FGF-22.":
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 55 HLKGILKRRQLYCKTGFHEEFFFNGIVBOTKHBBSBFGILEFFSLAVGLISTROVDSGLY 114
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133 ALDSQGIPPQGPFTFRHQLSTHFLP 157
                                                                                 168 ALNKOCTPROGARSKRHOKFTHFUP 192
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                                                                                                                                                                                                                                                                                                                     17 APGAPGG--YPHLEGDVKWKKLESSTEFFLEVJELGGKVJGTKWKHGGLSTVCTKEVEVGT 74
                                                                                                                                                                                                                                                                                                                                                                48 ARGOPGAAGLAHLHGILEKRGINGERGCHILG-ILPPGSVQCTRODHSLEGILEFTSVAVOL 107
                                                                                                                                                               75 VVIKAVYSGEYVAMNERGELYGSEVYSVECKEREBERGTHCYAGGGWEB MOETMUS 1/2
                                                                                                                                                                                                                               VSTROVDSCLYTOMNIBAGILINGSLKI IGENT I KENGETHERWYHTYYGYNTYEH II CERAFFV 167
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Best Local Similarity
Matables 71: Spinsor
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91-001-2000 (Frimmirel, 15, Created)
91-001-2000 (Frimmirel, 15, Last Sequence update)
01-MAR-2001 (Trimmirel, 15, Last annotation update)
Firmoblasi Skowim Factor Homorogous FACION 4 Isolahm 1A (FRADER).
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Archosauria: Aves: Neodhathae: Galliformes: Phasianidae, Phasianinae;
Gallus.
MCB: Jaglb 9631:
                                                                                                                                                                                                                                                                                                                                  Gallus Gallus (Chicken).
Eukaryita: Metacaa; Castata: Crabiata; Vertebrata; Entelcostomi;
Archosauria; Aves, Meognathae; Gallifermes, Phaslanidac, Phaslanina
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PROGRAM: PROGRAM:
PROGRAM: PROGRAM:
SMART: SMOG442; PGF; 1.
SEQUIENT: 25 AA: 26544 MW:
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Murez-Senjaan I., Smallwesd F.M., Nathans J.;
"Isotone Diversity Javand Ethiobiast Growth Pactor Bumologous Factors
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dl MAF 2201 (IniMetrel, 10 Last annotation aplate)
Fibrohaast Growth Factor Howelddous Factor 4 Isoform In
                                                                                                                   METERME __1128_0; Forthe d 1964(7)0;
Memory Sanjuan F., Sheallwood P.M., Nathans J.:
"Isologin of creat, assist it file." Speath to the Minorphysic collects
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                                                                                            is demorated by Alternative Promotor Usage and Differential
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io...them. 275:2589-2597(2000)
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                                                                                                                                                                                 Query March 27.9%; Seore (12) DB 11; Length 282; Best Lenal Similarity 42.9%; Fred. No. 9.16 22;
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Best Local Similarity 43.5
Matches 64; Conservative
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Dukuryota: Metaroa: "burdata: francata: Vertebrata: Enteleostomi:
Namealla: Entheria: Rodentia: delarogmathi: Maridae: Marinae: Entheria.
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EMBL: ABDURS908; BAA31544.1; -.
EMBL: ABDURS907; BAA31543.1; -.
HSSP: P04968; THAR.
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Yamamoto S., Mikami S., Ohbayashi N., Chia M., Itoh N.,
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SMART: SM00442; FGF; 1.
SECSERCE 252 AA, 28:64 MW,
                                                                                                                                                                                                                                                                                                       Probam; PD000841; -:
                                                                                                                                                                                                                                                                                                                                                                                                                        "Structure and expression of a novel isoform of mouse EGF hamologous factor (PHF)-4.";
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113 ALARIGUAN GLELLE CANTRASVALIA VENYVENEGALI, ESPECIA PRO DAPOGRA 174
180 KSKRBOKETHELPRPVDPE--RVPELY 201
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                                                                                                  TALLEGIVEE LYCFQCYYLQMHHOALHGTFDOSTREIELHELIWELFVVALGCVETGEVI 130
                              AMAGAAYAA LADAA AA DAAG AAAAY DAAAY U BEERATEE, LASSAAN DAAGKEE, YHEESE EEU
                                                                                                                                                                    63; Conservative
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                                                                                                                                                                    31; Mismatches 49;
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        SECUENCE
                                                                                                                                                Probom; PONOU831;
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                 212 AA;
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45.0%; Pred. No. 1.6e 21;
Artive 23; Mismatches 56; Indels
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Munoz-Sanjuan I., Simandi B.K., Fallou J.F., Nathans J.:
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Archosauria; Aves; Neognathac; Galliformes, Phasianidac; Phasianinac;
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01-NOV-1999 (TEMBLIEL 12, Last sequence update)
01-MAR-2001 (TEMBLIEL 16, tast amoutation update)
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MEDSINE-20112823; PubMed-10644718;
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PK1NTS; PK00263; HRGPKDF;
PK1NTS; PK00262; 11.1HRGF;
PK0S1TE; PS00247; HRGF_FGF; 1.
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"Isoform Diversity among Fibrobiast Growth Factor Homologous Factors
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37.2%; Pred. No. 3.7e-21;
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                                         Eukaryota; Metazoa; Chordata; Crafiata; Vertebrata; Euleicostomi;
Mammalia; Eulegia; Rodentia; Sciurognathi; Muridae; Murinae; kattus
                                                                                                              01-MAR-2001 (TrEMBLrel. 16, Greated)
01-MAK-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last annotation update)
FIBROBLAST GROWTH FACTOR 13.
SEQUENCE FROM N.A.
                                    NCBI_laxID=10116;
                                                                                   Rattus norvegious (Rat).
                                                                                                                                                                                            QBEKW3;
                                                                                                                                                                                                           Q9EKW3
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PRINTS; PR00262; 11.1HBGF,
PROSITE: PS00247; HBGF_FGF; 1.
SMART: SM00442; FGF; 1.
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Munoz-Sanjuan I., Smallwood P.M., Nathans J.;
"Isotorm Diversity among Fibroblast Growth Factor Homologous Factors
Is Generated by Alternative Promoter Osage and Differential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SECUENCE
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InterPro: IPR002348; -.
Fig. PF00167; PGF; 1.
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EMBL: AF199610: AAF31397.1; -.
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Eukaryota: Metazoa: Chordata: Craniata; Vertebrata, Dubeleustomi:
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01-021-2000 (TrEMBLrel. 15, Last sequence update)
01-03K-2001 (TrEMBLrel. 16, Last annotation update)
FIBROBLASI GROWTH FACTOR HOMOLOGICUS FACTOR 2 (SUFORM 10-17).
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                                                                                                                                                                                                                                                                                                                           174 IPKDOARSKRHOKFTHFLPRPV 195
                                                                                                                                                                                                                                                                                                                                                                            114 ESGLYLGMRDKGELYGSEKHISECIFREGFEENWYNTYSSNIYKHGDTGKRYFVALNKDG 173
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hes 59 Conservative
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                                                                                                                                                                                                           PRELIMINARY;
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